

18011

B.C. A. Examination, Dec. 2018

OBJECT ORIENTED PROGRAMMING Using C++

(BCA-301)

Time : Three Hours)

(Maximum Marks :75

Note: Attempt questions from all Sections as per instructions.

Section-A

(Very Short Answer Questions)

Answer all the five questions. Each question carries 3 marks. Very short answer is required. 3x5=15

1. Define the terms Object, Class.
2. What do you mean by Inheritance ?
3. What is data hiding?
4. Differentiate between call by value and call by reference
5. What is aggregation?

Section-B

(Short Answer Questions)

Answer any two questions out of the following three questions. Each question carries 7½marks. Short answer is required. 7½x2=15

6. Write a sample code to show the difference between C and C++.
7. Write a code to compute factorial of a number, use of constructors shall be done.
8. What is polymorphism? Write a code to show the use of polymorphism.

Section-C

(Detailed Answer Questions)

Answer any three questions out of the following five questions. Each question carries 15 marks. Answer is required in detail 15x3=45

9. Write a program in C++ to compute the average marks of 50 students in the class. Take necessary assumptions.
10. What are constructors ? Write sample code to show the working of constructors with inheritance.
11. What is the difference between Operator Overloading and Operator Overriding ? Write a code to show how overriding is achieved
12. Write a program to overload unary + and unary operator.
13. What do you mean by Exception Handling ? Write a program to show how it is achieved in C++.

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